

CB700WA 700 Line Outdoor Ultra Wide Angle Bullet Camera



700 LINE, OSD, DNR, WDR, 2.2MM LENS 170° FIELD OF VIEW

PRODUCT FEATURES

- 700 Lines of Resolution
- Digital Wide Dynamic Range
- Sense-up 256X
- OSD Control of All Functions
- Digital Noise Reduction
- 2.2mm Ultra Wide Angle Lens
- IP66 Weatherproof Rating
- 12 Volt DC Power Required

SPECIFICATIONS

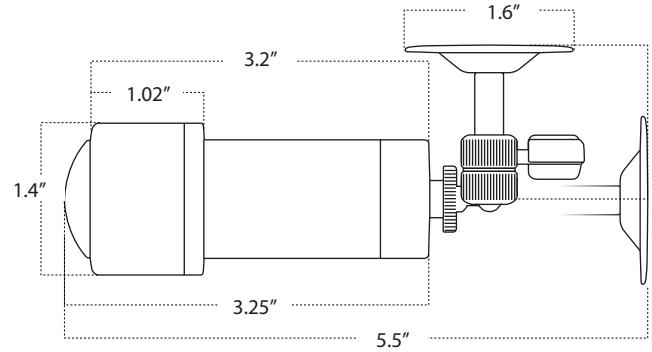
Model No.	CB700WA
Image Sensor	960H 1/3" Sony Super HAD CCD
TV System	NTSC
Effective Pixels	976 (H) x 494 (V)
Lens	Fixed 2.2mm Ultra Wide Angle
Maximum Aperture Ratio	F 1.3
Scanning System	2:1 Interlaced
Video Output	1.0V p-p, 75 OHM, Composite
Resolution	700 TV Lines
Sense-up	Yes 256X
Minimum Illumination	0.00006 Lux (Sens-up ON)
S/N Ratio (AGC OFF)	More than 50db
Gamma Characteristics	0.45
OSD	Yes (RCA Connector, Removable)
Electronic Shutter Speed	Auto, FLK, 1/60~1/100,000 Adjustable
3DNR (Digital Noise Reduction)	ON, OFF, 0~200 Adjustable
Day/Night (Electronic)	Auto, Color, B/W, EXT
White Balance	ATW, AWB, AWC-Set, Manual
BLC (Backlight Compensation)	BLC, HSBLC (Adjustable)
D-WDR (Digital Wide Dynamic Range)	0~15 Adjustable
AGC (Automatic Gain Control)	OFF, LOW, MIDDLE, HIGH
Mirror	Yes - Mirror, Rotate, Vertical Flip
Power Requirement / Consumption	12 Volts DC / 120 mA
Reverse Polarity Protection	Yes
Operating Temperature	-14°F ~ 122°F
Weight	8 Oz
Housing	Aluminum (Black)
Weatherproof Rating	IP 66
Dimensions (L x W x H)	3.25" x 1.4" x 1.4"

* All specifications subject to change without notice for quality improvement

PACKAGE CONTENTS

- (1) Camera
- (1) Mounting Hardware Packet
- (1) Camera Mount
- (1) User Manual
- (1) OSD Cable

CAMERA DIMENSIONS

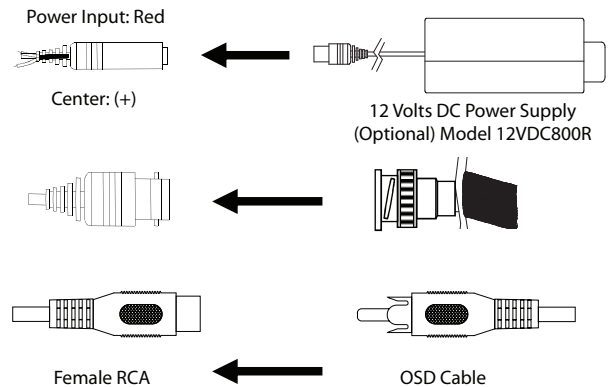


CAMERA CABLE CONNECTION

Insert power lead into power connector (confirm proper voltage & observe polarity).

Insert video lead into BNC connector (twist and lock BNC connector in place).

Insert OSD Cable into RCA for OSD Adjustment



OSD MENU TREE

- LENS
 - DC
 - VIDEO
 - MANUAL
- EXPOSURE
 - SHUTTER
 - AGC
 - Sense-up
- BACKLIGHT
 - D-WDR
 - BLC
 - HSBLC
- WHITE BALANCE
 - ATW
 - AWB
 - AWC->SET
 - MANUAL
- DAY/NIGHT
 - AUTO
 - COLOR
 - B/W
 - EXT
- SMART 3DNR
 - OFF
 - ON
- F-DNR
 - OFF
 - MANUAL
 - AUTO
- FUNCTION
 - MOTION
 - PRIVACY
 - DEFECT
 - IMAGE ADJUST
 - SYNC
 - LANGUAGE
- EXIT
 - SAVE
 - RESET
 - CANCEL



OSD Cable

EXPANDED OSD MENU — ALL VALUES IN PARENTHESES () ARE DEFAULT SETTINGS

MENU		SUB MENU VALUES	
LENS	DC	BRIGHTNESS	0 ~ 100 (50)
		IRIS SPEED	0 ~ 5 (3)
	VIDEO		
	MANUAL	BRIGHTNESS	0 ~ 100 (60)
EXPOSURE	SHUTTER	AUTO, 1/60, FLK, 1/250, 1/500, 1/1000, 1/2000, 1/5000, 1/10000, 1/100000, x2, x4, x6, x8, x10, x12, x14, x16, x24, x32, x64, x128, x256 (AUTO)	
	AGC	OFF, LOW, MIDDLE, HIGH (HIGH)	
	SENSE-UP	OFF	
		x2, x4, x6, x8, x10, x12, x14, x16, x24, x32, x64, x128, x256 (x10)	
BACK LIGHT (OFF)	D-WDR	LOW-LEVEL	0 ~ 15 (5)
		HIGH-LEVEL	0 ~ 15 (3)
	BLC	VALUE	LOW, MIDDLE, HIGH (MIDDLE)
		AREA	SINGLE, DOUBLE (SINGLE)
		DEFAULT	
	HSBLC	GAIN	0 ~ 100 (50)
		MODE	NIGHT ONLY, ALL DAY (NIGHT ONLY)
		MASK LEVEL	0 ~ 100 (70)
		DEFAULT	
		M. SKIP AREA	OFF, ON (OFF)
WHITE BAL (ATW)	ATW		
	AWB		
	AWC → SET		
	MANUAL	BLUE	0 ~ 100 (31)
		RED	0 ~ 100 (20)
DAYNIGHT (AUTO)	AUTO	DELAY	0~15 (3)
		D → N (AGC)	48 ~ 255 (30)
		N → D (CDS)	0 ~ 207 (14)
	COLOR		
	B/W	BURST	ON, OFF (ON)
		IR SMART	OFF (ON)
			VALUE 0 ~ 100 (50)
			AREA POSITION, SIZE
			IR DWDR 0 ~ 15
	EXT	DELAY	0 ~ 15 (0)
SMART 3DNR (OFF)	OFF		
	ON	VALUE	0 ~ 200 (80)
		SMART IR	OFF
			ON SMART LEVEL 0 ~ 200 (200)
			SENSITIVITY 0 ~ 100 (40)
F-DNR (OFF)	OFF		
	MANUAL	LEVEL	0 ~ 31 (10)
		COLOR GAIN	0 ~ 10 (3)
		EDGE GAIN	0 ~ 10 (3)
		GAMMA	USER, 0.05~ 1.00 (0.55)
	AUTO	DEFECT LEVEL	0 ~ 5 (3)

* Default values may change when Sub Menu settings are changed.

EXPANDED OSD MENU — ALL VALUES IN PARENTHESES () ARE DEFAULT SETTINGS

MENU	SUB MENU VALUES						
FUNCTION	MOTION (OFF)	AREA	1~4				
		AREA DISPLAY	ON,OFF				
		VALUE	0~100 (95)				
		MOTION VIEW	ON,OFF				
	PRIVACY (OFF)	AREA	1~8 (4)				
		AREA DISPLAY	ON,OFF				
		COLOR	0~15 (8)				
		TRANSFER	0~3 (3)				
	D-EFFECT	D-ZOOM (OFF)	RANGE	X1.0 ~ x32	(x2.0)		
			PAN	-100 ~ 100	(0)		
			TILT	-100 ~ 100	(0)		
		SMART D-ZOOM (OFF)	RANGE	X1.0 ~ x5	(x2.0)		
			POSITION				
			SENSITIVITY	0 ~ 100	(80)		
			TIME	0 ~ 15	(3)		
		DIS (OFF)	ON, OFF				
		FREEZE (OFF)	ON, OFF				
		MIRROR (OFF)	OFF, MIRROR, V-FLIP, ROTATE				
		NEG.IMAGE (OFF)	ON, OFF				
		IMAGE ADJ.	SHARPNESS	0~31 (20)			
	MONITOR (CRT)		CRT	PED LEVEL	0~63	(23)	
				COLOR GAIN	0~255	(128)	
			LCD	GAMMA	0.5~1.0		
				PED LEVEL	0~63		
				COLOR GAIN	0~255		
			LENS SHADING	0.5~1.0			
				H-CENTER 0 ~ 255			
				V-CENTER 0 ~ 255			
	LENS SHADING		ON,OFF				
	DEFECT		SENS-UP	x4, x,8, x16, x32, x64, x128 (x4)			
			DIFF	0 ~ 3	(1)		
			THRESHOLD	0 ~ 4	(2)		
			START				
	COM ADJ.	CAM TITLE	ON, OFF				
		PROTOCOL	PELCO-D,PELCO-P,SPD-S.DPNGYANG,NICP				
		RS-485	CAM ID	1 ~ 255			
			ID DISPLAY	ON, OFF			
			BAUD RATE	2400,4800,9600,19200,38400,57600 (38400)			
	SYNC	INT					
	LANGUAGE	ENGLISH, KOREAN, JAPANESE, CHINESE1, CHINESE2, RUSSIA, FRANCAIS, ESPANOL, ITALIANO, PORTU, DEUTSCH, POLISH, TURKISH, HEBREW, ARAB					
EXIT	SAVE, RESET, CANCEL						

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